

MD/osa File C9

LOCKHEED		ENGINEERING STUDY <input type="checkbox"/>		LAC 187	
DATE 19 June 1964		AFFECTS: WSPC <input checked="" type="checkbox"/>		PROJECT <input checked="" type="checkbox"/>	
NAME OF MAJOR COMPONENT 6-18-T3 INSTAL		PART OR LOWEST SUBASSEMBLY 105800 PRESS. REGULATORS		PART NO. & MODEL OR TYPE	
TITLE OF PROPOSAL : 618-T3 AIR PRESSURE REGULATOR IMPROVEMENT					
NATURE OF PROPOSAL : SEE PAGE 2					
REASON FOR PROPOSAL : SEE PAGE 2					
ES		ESTIMATED COST AND TIME INVOLVED : ADDITIONAL FUNDING REQUIRED :			
CP		ESTIMATED COST FOR KITS OR PARTS : SEE PAGE 3 ADDITIONAL FUNDING REQUIRED : NONE (EP-1923)			
ITEMS AFFECTED BY PROPOSAL : All 105800 & 105800-7 Press. Regulators					
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input checked="" type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>
					TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>
					MAINTENANCE PROCEDURE <input type="checkbox"/>
					SERVICE LIFE <input checked="" type="checkbox"/>
					FLIGHT MANUAL <input type="checkbox"/>
					MAINTENANCE MANUAL <input checked="" type="checkbox"/>
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD					
SOURCE OF PARTS FOR KIT GFAE & VENDOR			AVAILABILITY - WEEKS AFTER APPROVAL See Description of Change		
DISPOSITION OF SPARES AFFECTED All 105800 & 105800-7 to be reworked & reidentified					
INITIATED BY : CUSTOMER & LAC			APPROVED : WSPC		

NATURE OF PROPOSAL:

Issue Service Bulletins (no Kits) to replace all Accessory Prod. Co. 105800 & 105800-7 Pressure Regulators with 105800-13 Regulators. Regulators to be furnished GFAE and Bulletins to be incorporated on an "as parts available" basis.

105800-13 regulators to be obtained by re-working and reidentifying all 105800 & 105800-7 regulators on a turn-around schedule. This schedule to be accomplished by returning regulators to LAC for rework at a rate convenient to WRAMA (recommend 5 per month minimum).

Weight & Balance

The effect of this change on weight and balance is negligible.

REASON FOR PROPOSAL:

It has been discovered, during IRAN, that the 105800-7 regulators used on the 618-T3 installation have been experiencing "chatter" damage. The peening and indenting of internal parts caused by regulator chatter effects the pressure setting, thus degrading the reliability of the 618-T3 pressure environment.

Replacing the 105800 & 105800-7 regulators with an improved regulator (105800-13) will accomplish the following:

- A. Provide more reliable pressure regulation, thus improving reliability of the 618-T H.F. Radio in Customer 2 articles.
- B. Simplify spares support and minimize regulator inventory by converting all Customer 1 and Customer 2 regulators to the same part.

NOTE:

The current usage of Accessory Products Co. 105800 & 105800-7 Pressure Regulators is as follows:

105800	Cust. #2 Hydraulic Reservoir
105800-7	Cust. #1 Hydraulic Reservoir & Cust. #2 618-T3 Radio Instl.

25X1

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